

VOLTAGE DETECTOR

ABSTRACT

A voltage detector circuit such as a power up and/or brownout detector circuit (100) includes a comparator (102) having at least one of its inputs (104) coupled to a diode-connected transistor (108). The other input can include another diode-connected transistor (110) or a resistor divider (302). Optional compensation capacitors (118 and 120) can be added to the comparator output (116) to provide glitch compensation. Since comparator (102) only needs to output a high or low voltage level, the components that are used to build circuit (100) do not have to have very tight tolerances. Circuit (100) also can operate at very low voltages and consume low amounts of power.